Column E Explanation

Registration Number: Certificate Number 93-F-008, Customer Number 1202

Number and Species of Animals: 70 Chinchillas

Explanation of Procedure Causing Possible Distress: Individual housing in an unfamiliar environment and exposure of chinchillas to 4kHz octave band noise at 105 dB sound pressure level for a duration of 6 hours or an impulse noise of 155 dB (75 repetitions at 1 impulse/sec.). This procedure is considered non-painful but may induce distress. This exposure induces cochlear hair cell loss and a significant hearing threshold shift. This model is utilized to test various means to protect against cochlear hair cell loss and to potentially reverse cochlear hair cell loss.

Scientific Justification for Unrelieved Potential Distress: The potential distress of individual housing in an unfamiliar environment is being relieved through a habituation procedure for our experimental animals. This leaves the actual noise exposure as our only unrelieved potential for distress as defined by the AWA. Alleviation of this potential distress through the use of anesthetics or analgesics is scientifically contraindicated for the following reasons.

General Considerations

a. Generalized anesthesia for a six-hour duration would be medically contraindicated and in itself leads to a painful and distressful recover period.

b. Animal models without anesthesia mimics human subjects under noise exposure better than the anesthetized animal.

c. Noise exposure should try to replicate the real world as much as possible; we typically are not exposed to noise in an anesthetized state. The administration of drugs to sound exposed animal's effects several important aspects of sound transduction in the inner ear and electrophysiological measurements of inner ear function. Because these confounded results from drugged animals cannot be extended to human models, these drugged models are not used in hearing research. In the course of the Medline literature review going back over 20 years some 5500 abstracts involving loud sound exposure, only about a dozen utilized anesthetized animals and in those cases the focus of the studies was to investigate the effects of those drugs on cochlear electrophysiological measurements.

d. Noise exposures in normal animals always result in significant variations in threshold shifts. These variations may result from a variety of factors such as, overactive middle ear muscles, efferent feedback, and state of the animal. Now there may be evidence that a drugged animal gives larger and more consistent threshold shifts because of the elimination of the aforementioned variables.[1]

Specific Considerations

a. Sodium pento-barbital has been shown to have a significant effect on total middle ear impedance and on the shape of the tympanograms.[2]

Column E Explanation cont.

b. The use of ketamine causes significant increases in distortion-product otoacoustic emissions. This result indicates that tonic activity levels in the cochlear efferents are reduced by the anesthetic effects, which could lead to greater damage due to loud sound exposure.[3,4]

c. Isoflurane significantly attenuates auditory steady state response (which is a response of the brain to auditory stimuli) in a dose dependant manner.[5]

References:
1) Popelar, J., et al. Effect of noise on auditory evoked responses in awake guinea pigs. Hearing Research. 26(3):239-47, 1987
2) Eames, B.L., et al. The role of the middle ear in acoustic trauma from impulses. Laryngoscope. 85(9): 1582-92, 1975
3) Harel, N., et al. The effects of anesthesia on otoacoustic emissions. Hearing Research. 110(12): 25-33
4) Puel, Jean-Luc, et al. Perspectives in inner ear pharmacology and clinical applications. In Cochlear pharmacology and noise trauma. Eds. D. Prasher and B. Canlon. NRN Publications. London; 1998
5) Plourde, G., et al. the effect of isoflurane on the steady state response and on consciousness in human volunteers. Anesthesiology. 89(4): 844-51, 1998

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in order to cease and desist and to be subject to penalties as provided for in Section 21

See attached form for additional information

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 42-F-0004
CUSTOMER NUMBER: 1586

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Nat'L Vet. Svcs Lab
Box 844
Ames, IA 50010

Telephone: (515) 663-8504

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this repon	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			235		235
7. Hamsters		10			10
8. Rabbits		2	89		91
9. Non-human Primates					
10. Sheep		462			462
11. Pigs		104			104
12. Other Farm Animals					
Cattle		15			15
13. Other Animals					
Elk		6			6
Horses		8			8

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs prior to, during, and following actual teste teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app Institutional Animal Care and Use Committee (IACUC). **A summary of all such exceptions is attached to this annual report.** In addition to identifying the IACUC-approved exceptions, this summary in- brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

[redacted]

DATE SIGNED
[redacted]

(AUG 91)

NOV 30 2004

1. This is a pathogenesis study of Swine Influenza Virus (SIV). Animals are expected to develop mild signs of pyrexia, anorexia, listlessness, sneezing or coughing.

2. The un-inhibited onset of the clinical signs are necessary to judge the pathogenic effects on the challenge virus and to evaluate the efficacy of the respective vaccines. For this reason anti-pyretics, expectorants, or stimulants would alter the Clinical signs. These are the drugs that would be commonly be used to relieve the pain or distress of swine infected with influenza virus. If severe clinical signs develop. Animals will bs euthanitized

1. This is a study to determine the effect of transport on the amount of salmonella excreted in the feces of "carrier" swine.

2. The effects must be allowed to manifest themselves without therapeutic drugs otherwise the results would not be valid. Antibiotics and anti-pyretics necessary to aleive the symptoms of salmonella infected pigs, lethargy, hyperthermia and diarrhea, would alter the colonization in the gut and alter the amount of salmonella excreted. Severely ill pigs , loss of motor skills, or profuse diarrhea for more than 48 hours will be euthanitized.

1. This is a study to determine the effect of norepinephrine treatment of salmonella infected pigs on the virulence of the disease.

2. The use of antimicrobial, antidiahreal and antipytretics are precluded. Pigs may develop mild symptoms after initial exposure. The disease must be allowed to develop symptoms to provide quality samples, reflecting either an increased virulence of the agent or increased shedding. Thsse signs being febrile response, enterocolitis, incrsased respiration, or mild depression. Animals that lose normal motor skills or develpop profuse diarrhea for 48 hours will be euthanitized.

1. This is a study to better understand the pathogenesis and virulence of PRRSV in swine. A part of the study is to understand virus distribution in the tissues following infection.

2. The uss of anti-pyretics and / or anti-inflamatory drugs would alter these experimental findings.Only mild symptoms of mild dysnea, pyrexia, anorexia or listlessness are expected. Pigs that are unable to rise or develop labored breathing will be euthanitized.

1. This is a study to test the efficacy of recombinant based vaccines. Vaccines are for protection from swine influenza and PRRSV. Parameters measured include temperature weight gain, nasal shedding, immune responseas and lung lesions.

2. The parameters monitored may be altered if anti-pyretics, anitbiotics, or expectorants were administered to decrease the pain or discomfort of the symptomatic pigs. Therefore the use of these

NOV 24 2000

products are precluded. Disease must be allowed to manifest with the exhibition of symptoms and lesions. Symptoms are expected only after the animals are challanged. Only mild signs are expected. Animals that exhibit labored bresathing or are unable to ruise when prodded will be euthanitized

Shsep:

1. The objective of the study is to determine the effect of ovine respiratory syncytial virus (ORSV) on B cell responsiveness. Additionally the persistence of ORSV in lymphocytes will be better characterized.

2. The use of anti-inflammatory or anti-histamine drugs would be expected to modulate the character of the lymphocytes. This was a study to observe the natural course of the disease, and the use of trial drugs to reduce the symptoms, indicators of pain or distress, would be expected to alter the natural course of the disease.

Raccoons:

1. The objective of the study is to develop an animal model to strain-type the TSE's in the United States using raccoons. The time of onset of terminal symptoms will be the primary parameter used.

2. The disease must be allowed to progress to the point of the development of diagnostic symptoms. The use of sedatives or tranquilizers may relieve the symptoms, but would alter the exhibition of the symptoms, and, perhaps, prolong the symptomatic period. To minimize the period of pain or distress, animals that become recumbent will be euthanitized. If animals show indications of producing self-inflicted injury, they will be euthanitized.

Hamsters:

1. The purpose of the study is to evaluate leptospira clones for virulence. Weanling hamsters will be inoculated with live organisms.

2. Observation of clinical signs and how signs progress is necessary to evaluate virulence. Alleviation or relieving of the signs would interfere in the assessment. The primary signs used to evaluate the disease are jaundice or hemorrhage. To relieve the pain or distress as the result of the infection would reduce the level of jaundice or hemorrhage. To minimize severe or terminal signs, animals are observed every eight hours and any animal exhibiting hemorrhage is euthanitized.

Column E Explanation

This form is intended as an aid to completing the Column E explanation. It is not an official form and its use is voluntary. Names, addresses, protocols, veterinary care programs, and the like, are not required as part of an explanation. A Column E explanation must be written so as to be understood by lay persons as well as scientists.

1. Registration Number: 34-R-0027

2. Number 5199 in column E of animals used in this study.

3. Species (common name) Guinea Pig of animals used in the study.

4. Explain the procedure producing pain and/or distress.

   Animals receive either virulent organisms or toxins in vaccination/ challenge studies to evaluate potency of vaccine products.

5. Provide scientific justification why pain and/or distress could not be relieved. State methods or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see item 6 below)

   Death or survival is the endpoint used in the evaluation of vaccine products. The use of analgesics has the potential for causing misinterpretation of test results, and could alter time to death. Animals challenged with organisms die within hours of becoming ill. Animals challenged with toxin are considered dead and are removed from the test when moribund.

6. What, if any, federal regulations require this procedure? Cite the agency, the code of Federal Regulations (CFR) title number and the specific section number (e.g., APHIS, 9 CFR 113.102):

   Agency FDA 21CFR 610.10; 600.3(5)

   1) Product License 1260/103821
   2) USP Method (Monograph, Pharmacopeial Forum, July-August 2003, page 1002)

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 43-R-0014
CUSTOMER NUMBER: 1415

FORM APPROVED
OMB NO. 0579-0036

Boehringer Ingelheim Animal Health Inc
2621 N Belt Hwy
St Joseph, MO 64506

Telephone: (816) -233-2571

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals or for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	24	0	0	24
5. Cats	0	5	0	0	5
6. Guinea Pigs	0	2,146	546	832	3,524
7. Hamsters	0	1,210	0	6,240	7,450
8. Rabbits	0	1,883	0	0	1,883
9. Non-human Primates	N/A				
10. Sheep	N/A				
11. Pigs	N/A				
12. Other Farm Animals	N/A				
13. Other Animals	N/A				

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) The facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and any Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		11/22/04

APHIS FORM 7023 (AUG 91) (Replaces VS Form 18-23 (OCT 88), which is obsolete.)

NOV 29 2004

This report is "required" by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 211

See attached form for additional information. 12-14

Interagency Report Control No

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 47-R-0010
CUSTOMER NUMBER: 1550

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Schering-Plough Animal Health
21401 West Center Rd
Elkhorn, NE 68022

Telephone: (402) -289-6300

2. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	502	55	7	564
5. Cats	30	436	0	0	436
6. Guinea Pigs	1	414	0	39	453
7. Hamsters	197	3612	333	1829	5774
8. Rabbits	0	0	350	0	350
9. Non-human Primates	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
Ferrets	0	0	0	15	15
Mink	28	193	0	79	272

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has request ther exceptions to the standards and regulations be specified and explained by the principal investigator and apr Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary sh brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED

APHIS FORM 7023
(AUG 91)

(Replaces VS FORM 18-23 (OCT 88) which is obsolete.)

12 004

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 65-R-0002 | CUSTOMER NO. 837

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY *(Name and Address, as registered with USDA, include Zip Code)*

MISSISSIPPI STATE UNIVERSITY
P.O. BOX 6343
617 ALLEN HALL
MISSISSIPPI STATE, MS 39762
(662) 325-3570

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(s/es)

See Attached Listing

Mississippi State University
Mississippi State, MS 39762

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY *(Attach additional sheets if necessary or use APHIS FORM 7023A)*

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic,analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. *(An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)*	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	8	40	200		240
5. Cats	0	0	10		10
6. Guinea Pigs	0	0	0		0
7. Hamsters	0	0	0		0
8. Rabbits	0	2	0		2
9. Non-Human Primates	0	0	0		0
10. Sheep	0	3	0		3
11. Pigs	0	54	10		64
12. Other Farm Animals					
Cattle	0	3	9		12
13. Other Animals					
Goats	0	2	0		2
Horses	0	20	12		32
Bobcat	0	10	0		10

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions. This summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Print)	DATE SIGNED
		11/18/03

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (Oct 88), which is obsolete)

PART 1 - HEADQUARTERS

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No 0180-00A-AM

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 65-R-0002 CUSTOMER NO. 837

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY *(Name and Address, as registered with USDA, include Zip Code)*

MISSISSIPPI STATE UNIVERSITY
P.O. BOX 6343
617 ALLEN HALL
MISSISSIPPI STATE, MS 39762
(662) 325-3570

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY *(Attach additional sheets if necessary or use this form.)*

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. *(An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)*	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
Whitetail deer	0	49	0		49
Gray fox	0	1	0		1
Red fox	0	1	0		1
Cougar	0	1	0		1
Black bear	0	1	0		1
Raccoon	0	1	0		1

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has recruited that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or print)	DATE SIGNED
		11/9/03

APHIS FORM 7023A (AUG 91) (Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21!

See attached form for additional information

OCT 06 2004

Emergency Recon Control N

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 22-R-0069
CUSTOMER NUMBER: 185

FORM APPROVED
OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Consumer Product Testing Co inc
70 New Dutch Lane
Fairfield, NJ 07004

Telephone: (973) -808-7111

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Attached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs	223	2108	0	133	2241
7. Hamsters	4	24	0	0	24
8. Rabbits	21	762	0	93	855
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by the research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and an Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
:	Steven Nitka/Vice President/Tox Lab Director	10/4/04

APHIS FORM 7023
(AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information.

Interagency Report Control No. 0190-0504-AN

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

1. REGISTRATION NO. 21-R-0192 | CUSTOMER NO. 1791 | FORM APPROVED OMB NO. 0579-0036

2. NEW/CURRENT RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

BROOKHAVEN SCIENCE ASSOCIATES LLC
BLDG. 490
P.O. BOX 5000
UPTON, NY 11973
(631) 344-3362

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATION(S) (cities)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experimentation, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic,analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	2		2		2
9. Non-Human Primates	10		10		10
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has registered their exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF INSTITUTIONAL OFFICIAL	NAME OF INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
		7/13/07

APHIS FORM 7023 (AUG 91) (Replaces VS FORMS 18-23 (Oct 88), which is obsolete)

PART 1 - HEADQUARTERS

Revised FY 2003 Report
7/13/07

This report is required by law (7 USC 2143). Failure to result in an order to cease and desist and to be subject according to the regulations can liabilities as provided for in Section 2150. See reverse s additional info. on. Interagency Report Control No 0580-0040

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 15-R-0004 CUSTOMER NO. 258

FORM APPROVED
OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY *(Name and Address, as registered with USDA, include Zip Code)*

UNIVERSITY OF RHODE ISLAND
CARLOTTI ADMINISTRATION BLDG
KINGSTON, RI 02881

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY *(Attach additional sheets if necessary or use this form.)*

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic,analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. *(An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)*	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
cows		10			10
horse		1			1
goats		3			3
Shrews		77			77
chipmunks		118			118
Ducks			10		10
pigeons	20				

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

2) Each principal investigator has considered alternatives to painful procedures.

3) This facility is adhering to the standards and regulations under the Act, and it has received that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete *(7 U.S.C. Section 2143)*

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL *(Type or Print)*	DATE SIGNED
		11/28/2003

APHIS FORM 7023A (AUG 91) (Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS